

Appln. No. 09/216,378
Amendment dated January 19, 2009

wherein the mixed signal reproduced by headphones connected to the audio output connection reduces noise perceived by a user wearing the headphones and listening to the mixed signal through the headphones; and wherein the noise cancellation module applies a key click profile to the ambient noise detected by the microphone to compensate for a keyboard noise level detected by the microphone in the noise cancellation signal generated.

17. (Previously Presented) The personal computer of claim 16 and further comprising a display device integrated into the housing.

18. through 20. (Cancelled)

21. (Previously Presented) The personal computer of claim 1 wherein the audio source comprises an optical disc player.

22. through 38. (Cancelled)

39. (Previously Presented) The personal computer of claim 1 wherein the mixed audio signal and noise cancellation signal are further directed to a speaker integrated into the case of the computer.

40. (Previously Presented) The machine readable medium of claim 13 wherein the mixing of the audio signal and noise cancellation signal is performed by a processor integrated into the case of the computer.

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41. (Currently Amended) A personal computer system with integrated noise reduction, comprising:

a personal computer housing;

a processor integrated into the housing;

an audio source integrated into the housing and configured to produce an audio signal, the audio source including an optical disc drive configured to playback media to provide the audio signal;

a microphone integrated into the housing ~~and capable of detecting to~~ detect noise ambient to the housing, the microphone being coupled to the microprocessor to provide a signal to the processor corresponding to an ambient noise level;

a noise cancellation module operable on the processor, the noise cancellation module generating a noise cancellation signal responsive to the signal from the microphone corresponding to the ambient noise level; and

a digital signal processor coupled to the noise cancellation module and configured to mix the noise cancellation signal with an audio signal provided from a desired source to output a mixed signal, the digital signal processor being connected to a standard headphone compatible audio output connection integrated on the housing such that the mixed signal is available at the audio output connection;

wherein the mixed signal reproduced by headphones connected to the audio output connection reduces noise perceived by a user wearing the headphones and listening to the mixed signal through the headphones; and

wherein the noise cancellation module applies a key click profile to the ambient noise detected by the microphone to compensate for a keyboard noise level detected by the microphone in the noise cancellation signal.

42. (Cancelled)

43. (Previously Presented) The system of claim 41 wherein the noise cancellation module comprises a software program running on a processor.

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44. (Previously Presented) The system of claim 41 wherein the processor is the central processing unit for the computer system.

45. (Currently Amended) The system of claim 41 wherein the digital signal processor is located on a sound card integrated into the housing.

46. (New) The personal computer of claim 1 wherein the noise cancellation module applies a key click profile to the ambient noise detected by the microphone to compensate for a keyboard noise level detected by the microphone in the noise cancellation signal.

47. (New) The personal computer of claim 1 additionally comprising at least one speaker integrated into the housing, the digital signal processor being connected to the at least one speaker such that the mixed signal is available to the at least one speaker and the standard headphone compatible output.